

What Is Claimed Is:

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1. A method for facilitating substitution of a full bitmap version of a graphical image with a line drawing version of the graphical image in a graphical presentation, the method comprising:
 - displaying a page in the graphical presentation, the page including the line drawing version of the graphical image;
 - wherein displaying the line drawing version of the graphical image requires less data to be retrieved than displaying the full bitmap version of graphical image;
 - allowing a user to input a command to display the full bitmap version of the graphical image; and
 - if the user inputs the command to display the full bitmap version of the graphical image,
 - retrieving the full bitmap version of the graphical image,
 - and
 - displaying the full bitmap version of the graphical image.
2. The method of claim 1, wherein the graphical presentation is part of a web site and the page is a web page within the web site.
3. The method of claim 1, wherein the user inputs the command to display the full bitmap version of the graphical image by using a pointing device to move a cursor over the line drawing version of the graphical image, and by depressing a button associated with the pointing device.

1 4. The method of claim 1, wherein displaying the full bitmap version
2 of the graphical image involves displaying the full bitmap version of the graphical
3 image in another page that contains the full bitmap version of the graphical image
4 alone.

1 5. The method of claim 1, wherein displaying the full bitmap version
2 of the graphical image involves displaying the full bitmap version of the graphical
3 image in place of the line drawing version of the graphical image within the page
4 in the graphical presentation.

1 6. The method of claim 1, further comprising prior to displaying the
2 page in the graphical presentation:
3 producing the line drawing version of the graphical image from the full
4 bitmap version of the graphical image;
5 inserting the line drawing version of the graphical image into the page in
6 the graphical presentation; and
7 linking the full bitmap version of the graphical image into the graphical
8 presentation so that selecting the line drawing version of the graphical image
9 causes the full bitmap version of the graphical image to be displayed.

1 7. The method of claim 1, wherein retrieving the full bitmap version
2 of the graphical image includes retrieving the full bitmap version of the graphical
3 image from a remote machine across a network.

1 8. A computer-readable storage medium storing instructions that
2 when executed by a computer cause the computer to perform a method for
3 facilitating substitution of a full bitmap version of a graphical image with a line

4 drawing version of the graphical image in a graphical presentation, the method
5 comprising:
6 displaying a page in the graphical presentation, the page including the line
7 drawing version of the graphical image;
8 wherein displaying the line drawing version of the graphical image
9 requires less data to be retrieved than displaying the full bitmap version of
10 graphical image;
11 allowing a user to input a command to display the full bitmap version of
12 the graphical image; and
13 if the user inputs the command to display the full bitmap version of the
14 graphical image,
15 retrieving the full bitmap version of the graphical image,
16 and
17 displaying the full bitmap version of the graphical image.

1 9. The computer-readable storage medium of claim 8, wherein the
2 graphical presentation is part of a web site and the page is a web page within the
3 web site.

1 10. The computer-readable storage medium of claim 8, wherein the
2 user inputs the command to display the full bitmap version of the graphical image
3 by using a pointing device to move a cursor over the line drawing version of the
4 graphical image, and by depressing a button associated with the pointing device.

1 11. The computer-readable storage medium of claim 8, wherein
2 displaying the full bitmap version of the graphical image involves displaying the

3 full bitmap version of the graphical image in another page that contains the full
4 bitmap version of the graphical image alone.

1 12. The computer-readable storage medium of claim 8, wherein
2 displaying the full bitmap version of the graphical image involves displaying the
3 full bitmap version of the graphical image in place of the line drawing version of
4 the graphical image within the page in the graphical presentation.

1 13. The computer-readable storage medium of claim 8, wherein prior
2 to displaying the page in the graphical presentation, the method further comprises:
3 producing the line drawing version of the graphical image from the full
4 bitmap version of the graphical image;
5 inserting the line drawing version of the graphical image into the page in
6 the graphical presentation; and
7 linking the full bitmap version of the graphical image into the graphical
8 presentation so that selecting the line drawing version of the graphical image
9 causes the full bitmap version of the graphical image to be displayed.

1 14. The computer-readable storage medium of claim 8, wherein
2 retrieving the full bitmap version of the graphical image includes retrieving the
3 full bitmap version of the graphical image from a remote machine across a
4 network.

1 15. An apparatus that facilitates substitution of a full bitmap version of
2 a graphical image with a line drawing version of the graphical image in a
3 graphical presentation, the apparatus comprising:

4 a display mechanism that is configured to display a page in the graphical
5 presentation, the page including the line drawing version of the graphical image;

6 wherein displaying the line drawing version of the graphical image
7 requires less data to be retrieved than displaying the full bitmap version of
8 graphical image; and

9 a command input mechanism that is configured to allow a user to input a
10 command to display the full bitmap version of the graphical image;

11 wherein if the user inputs the command to display the full bitmap version
12 of the graphical image, the display mechanism is configured to,

13 retrieve the full bitmap version of the graphical image, and

14 to

15 display the full bitmap version of the graphical image.

1 16. The apparatus of claim 15, wherein the graphical presentation is
2 part of a web site and the page is a web page within the web site.

1 17. The apparatus of claim 15, wherein the user inputs the command to
2 display the full bitmap version of the graphical image by using a pointing device
3 to move a cursor over the line drawing version of the graphical image, and by
4 depressing a button associated with the pointing device.

1 18. The apparatus of claim 15, wherein the display mechanism is
2 configured to display the full bitmap version of the graphical image in another
3 page that contains the full bitmap version of the graphical image alone.

1 19. The apparatus of claim 15, wherein the display mechanism is
2 configured to display the full bitmap version of the graphical image in place of the

3 line drawing version of the graphical image within the page in the graphical
4 presentation.

1 20. The apparatus of claim 15, further comprising a presentation
2 preparation mechanism that is configured to:
3 produce the line drawing version of the graphical image from the full
4 bitmap version of the graphical image;
5 insert the line drawing version of the graphical image into the page in the
6 graphical presentation; and to
7 link the full bitmap version of the graphical image into the graphical
8 presentation so that selecting the line drawing version of the graphical image
9 causes the full bitmap version of the graphical image to be displayed.

1 21. The apparatus of claim 15, wherein retrieving the full bitmap
2 version of the graphical image includes retrieving the full bitmap version of the
3 graphical image from a remote machine across a network.

1 22. A method for facilitating substitution of a full bitmap version of a
2 graphical image with a line drawing version of the graphical image in a graphical
3 presentation, the method comprising:
4 receiving the full bitmap version of the graphical image;
5 producing the line drawing version of the graphical image from the full
6 bitmap version of the graphical image;
7 wherein displaying the line drawing version of the graphical image
8 requires less data to be retrieved than displaying the full bitmap version of
9 graphical image;

10 inserting the line drawing version of the graphical image into a page in the
11 graphical presentation; and
12 linking the full bitmap version of the graphical image into the graphical
13 presentation so that selecting the line drawing version of the graphical image
14 causes the full bitmap version of the graphical image to be displayed.

1 23. The method of claim 22, wherein the graphical presentation is part
2 of a web site and the page is a web page within the web site.

1 24. The method of claim 22, wherein linking the full bitmap version of
2 the graphical image involves linking the full bitmap version of the graphical
3 image so that selecting the line drawing version of the graphical image causes the
4 full bitmap version of the graphical image to be displayed in another page that
5 contains the full bitmap version of the graphical image alone.

1 25. The method of claim 22, wherein linking the full bitmap version of
2 the graphical image involves linking the full bitmap version of the graphical
3 image so that selecting the line drawing version of the graphical image causes the
4 full bitmap version of the graphical image to be displayed in place of the line
5 drawing version of the graphical image within the page in the graphical
6 presentation.

1 26. The method of claim 22, wherein producing the line drawing
2 version of the graphical image from the full bitmap version of the graphical image
3 involves:
4 displaying a candidate line drawing version of the graphical image to a
5 producer of the graphical presentation; and

6 if the candidate line drawing version of the graphical image is not
7 acceptable, allowing the producer of the graphical presentation to tune parameters
8 used to generate the line drawing version of the graphical image.

1 27. The method of claim 22, wherein causing the full bitmap version
2 of the graphical image to be displayed includes retrieving the full bitmap version
3 of the graphical image from a remote machine across a network.

1 28. The method of claim 22, further comprising:
2 displaying the page in the graphical presentation, the page including the
3 line drawing version of the graphical image;
4 allowing a viewer of the graphical presentation to input a command to
5 display the full bitmap version of the graphical image; and
6 if the viewer inputs the command to display the full bitmap version of the
7 graphical image,
8 retrieving the full bitmap version of the graphical image,
9 and
10 displaying the full bitmap version of the graphical image to
11 the viewer.

1 29. The method of claim 22, further comprising allowing a producer of
2 the graphical presentation to specify a location for the line drawing version of the
3 graphical image within the page in the graphical presentation.

1 30. A computer-readable storage medium storing instructions that
2 when executed by a computer cause the computer to perform a method for
3 facilitating substitution of a full bitmap version of a graphical image with a line

4 drawing version of the graphical image in a graphical presentation, the method
5 comprising:
6 receiving the full bitmap version of the graphical image;
7 producing the line drawing version of the graphical image from the full
8 bitmap version of the graphical image;
9 wherein displaying the line drawing version of the graphical image
10 requires less data to be retrieved than displaying the full bitmap version of
11 graphical image;
12 inserting the line drawing version of the graphical image into a page in the
13 graphical presentation; and
14 linking the full bitmap version of the graphical image into the graphical
15 presentation so that selecting the line drawing version of the graphical image
16 causes the full bitmap version of the graphical image to be displayed.

1 31. The computer-readable storage medium of claim 30, wherein the
2 graphical presentation is part of a web site and the page is a web page within the
3 web site.

1 32. The computer-readable storage medium of claim 30, wherein
2 linking the full bitmap version of the graphical image involves linking the full
3 bitmap version of the graphical image so that selecting the line drawing version of
4 the graphical image causes the full bitmap version of the graphical image to be
5 displayed in another page that contains the full bitmap version of the graphical
6 image alone.

1 33. The computer-readable storage medium of claim 30, wherein
2 linking the full bitmap version of the graphical image involves linking the full

3 bitmap version of the graphical image so that selecting the line drawing version of
4 the graphical image causes the full bitmap version of the graphical image to be
5 displayed in place of the line drawing version of the graphical image within the
6 page in the graphical presentation.

1 34. The computer-readable storage medium of claim 30, wherein
2 producing the line drawing version of the graphical image from the full bitmap
3 version of the graphical image involves:
4 displaying a candidate line drawing version of the graphical image to a
5 producer of the graphical presentation; and
6 if the candidate line drawing version of the graphical image is not
7 acceptable, allowing the producer of the graphical presentation to tune parameters
8 used to generate the line drawing version of the graphical image.

1 35. The computer-readable storage medium of claim 30, wherein
2 causing the full bitmap version of the graphical image to be displayed includes
3 retrieving the full bitmap version of the graphical image from a remote machine
4 across a network.

1 36. The computer-readable storage medium of claim 30, wherein the
2 method further comprises:
3 displaying the page in the graphical presentation, the page including the
4 line drawing version of the graphical image;
5 allowing a viewer of the graphical presentation to input a command to
6 display the full bitmap version of the graphical image; and
7 if the viewer inputs the command to display the full bitmap version of the
8 graphical image,

1 retrieving the full bitmap version of the graphical image,
2 and
3 displaying the full bitmap version of the graphical image to
4 the viewer.

1 37. The computer-readable storage medium of claim 30, wherein the
2 method further comprises allowing a producer of the graphical presentation to
3 specify a location for the line drawing version of the graphical image within the
4 page in the graphical presentation.

1 38. An apparatus that facilitates substitution of a full bitmap version of
2 a graphical image with a line drawing version of the graphical image in a
3 graphical presentation, the apparatus comprising:

4 a receiving mechanism that is configured to receive the full bitmap version
5 of the graphical image;

6 a line drawing producer that is configured to produce the line drawing
7 version of the graphical image from the full bitmap version of the graphical
8 image;

9 wherein displaying the line drawing version of the graphical image
10 requires less data to be retrieved than displaying the full bitmap version of
11 graphical image;

12 an insertion mechanism that is configured to insert the line drawing
13 version of the graphical image into a page in the graphical presentation; and

14 a linking mechanism that is configured to link the full bitmap version of
15 the graphical image into the graphical presentation so that selecting the line
16 drawing version of the graphical image causes the full bitmap version of the
17 graphical image to be displayed.

1 39. The apparatus of claim 38, wherein the graphical presentation is
2 part of a web site and the page is a web page within the web site.

1 40. The apparatus of claim 38, wherein the linking mechanism is
2 configured to link the full bitmap version of the graphical image into the graphical
3 presentation so that selecting the line drawing version of the graphical image
4 causes the full bitmap version of the graphical image to be displayed in another
5 page that contains the full bitmap version of the graphical image alone.

1 41. The apparatus of claim 38, wherein the linking mechanism is
2 configured to link the full bitmap version of the graphical image into the graphical
3 presentation so that selecting the line drawing version of the graphical image
4 causes the full bitmap version of the graphical image to be displayed in place of
5 the line drawing version of the graphical image within the page in the graphical
6 presentation.

1 42. The apparatus of claim 38, wherein the line drawing producer is
2 configured to:
3 display a candidate line drawing version of the graphical image to a
4 producer of the graphical presentation; and to
5 allow the producer of the graphical presentation to tune parameters used to
6 generate the line drawing version of the graphical image if the candidate line
7 drawing version of the graphical image is not acceptable the producer.

1 43. The apparatus of claim 38, wherein the linking mechanism is
2 configured to cause the full bitmap version of the graphical image to be displayed

1 by retrieving the full bitmap version of the graphical image from a remote
2 machine across a network.

1 44. The apparatus of claim 38, further comprising a display mechanism
2 that is configured to:

3 display the page in the graphical presentation, the page including the line
4 drawing version of the graphical image;

5 allow a viewer of the graphical presentation to input a command to display
6 the full bitmap version of the graphical image; and

7 if the viewer inputs the command to display the full bitmap version of the
8 graphical image, to

9 retrieve the full bitmap version of the graphical image, and
10 display the full bitmap version of the graphical image to the
11 viewer.

1 45. The apparatus of claim 38, wherein the insertion mechanism is
2 configured to allow a producer of the graphical presentation to specify a location
3 for the line drawing version of the graphical image within the page in the
4 graphical presentation.